1986 EDITORIAL INDEX

AIR POLLUTION CONTROL

TITLE	MONTH
Work Booths Control Graphite Dust	Jan.
1986 Environmental Software Review	Jan.
Facility Processes and Landfills Power Plant Ash	Jan.
Why Computers for Wastewater Operations?	Jan.
Hydraulic Rake Handles Smelly Sludge	Jan.
Metal Coating Plant Uses Fume Incineration to Reduce Costs	Feb.
The Liabilities of Hospital Waste Incineration	Feb.
Air Purification R&D	Mar.
1986 Consultants/Services Telephone Directory	May
Exhaust Control System Reduces Dryer Energy Consumption	June
The PM 10 Chart	June
Solvent Vapor Recovery and VOC Emission Control	June
Tri-Mer Brings Whirl Wet to the Rescue	July
Hazardous Waste Incineration: Emissions and Their Control	July
Nominations for 1986 PE 5-Star Awards	Aug.
Groundwater Contamination Reduced with Air Strippers	Aug.
Solvent Recovery Saves $100,000/Yr	Sep.
Solvent Emissions Destroyed	Sep.
Gas Scrubbing by Bio-washers and Bio-filters	Sep.
Computerizing Sludge Dryers	Sep.
1987 Environmental Control Telephone Directory	Oct.
Coal Vs Refuse for Power Plant Combustion	Nov.
The Changing Pollution Control Industry	Dec.
Special Report: Hazardous Materials and Sludge Incineration	Dec.

CHEMICAL TREATMENT

Filter Retrofit Puts Tertiary Plant Back In Operation	Jan.
Wastewater Pure Enough to Drink	Jan.
Pump Station Modifications	Jan.
1986 Environmental Software Review	Jan.
Facility Processes and Landfills Power Plant Ash	Jan.
Why Computers for Wastewater Operations?	Jan.
Designing an Evaporation Spray Pond for Pollutants	Jan.
Hydraulic Rake Handles Smelly Sludge	Jan.
Filtration System Reduces Chemical Usage/Waste Disposal	Feb.
Treatment Process Minimizes Space, Energy & Maintenance Costs	Feb.
World's Largest Air-Inflated Structure Over Waste Site	Feb.
Planning Makes Leachate Treatment Possible	Feb.
Designing a Groundwater Treatment System	Mar.
Enzymatic and Microbial Degradation of Toxic Materials	Mar.
Fabricated Filter Removes Iron From Aqueous Solutions	Apr.
Special Report: Wastewater Package Treatment Systems	Apr.
Sizing a Chlorine Ejector	Apr.
Anaerobic Treatment Proves Cost Cutter	Apr.
Using Biotechnology to Treat Metalworking Wastewater	Apr.
Fuel Oil Spill Clean Up At Construction Site	May
Wastewater System Problems? Treat Cause, Not Symptoms	May
1986 Consultants/Services Telephone Directory	May
Diaphragm Pumps Maintain Accurate pH Readings	June
Biotechnology Proves Good Examples	June
Cleanup and Closure of a PCB Contaminated Pond	July
Powdered Carbon Effectively Treats Toxic Leachate	July
Nominations for 1986 PE 5-Star Awards	Aug.
Methane Gas Is Converted into Electrical Power	Sep.
Update on Wastewater Treatment	Sep.
Cost Reductions for Sludge Dewatering	Sep.
Gas Scrubbing by Bio-washers and Bio-filters	Sep.
MCD—A New Era in Wastewater Treatment	Oct.
Treat and Solidify Sludge By Using Naturite	Oct.
Cyanide Contaminated Floor Cleaned By Moose	Oct.
1987 Environmental Control Telephone Directory	Oct.
Special Report: Treatment of Hazardous Wastes	Nov.
The First Steps in Determining Your Plant's Liability	Nov.
Environmentally Safe Closed-Loop Wash System	Nov.
The Changing Pollution Control Industry	Dec.

COATINGS & CONSTRUCTION MATLS

Work Booths Control Graphite Dust	Jan.
Filter Retrofit Puts Tertiary Plant Back In Operation	Jan.
Wastewater Pure Enough to Drink	Jan.
Pump Station Modifications	Jan.
1986 Environmental Software Review	Jan.
Facility Processes and Landfills Power Plant Ash	Jan.
Why Computers for Wastewater Operations?	Jan.
Designing an Evaporation Spray Pond for Pollutants	Jan.
Hydraulic Rake Handles Smelly Sludge	Jan.
Filtration System Reduces Chemical Usage/Waste Disposal	Feb.
Metal Coating Plant Uses Fume Incineration to Reduce Costs	Feb.
World's Largest Air-Inflated Structure Over Waste Site	Feb.
Special Report: Underground Storage Tank Control	Feb.
Does Methanol Melt FRP Underground Tanks?	Mar.
Protecting Against the Invisible Contaminant: Noise	Mar.
Fabricated Filter Removes Iron From Aqueous Solutions	Apr.
Integrated System Enclosure	Apr.
Special Report: Wastewater Package Treatment Systems	Apr.
Conveying in 3D	Apr.
Borehole TV Eyes Pollution	May
Forest-to-Flames Materials Handling System	May
Exhaust Control System Reduces Dryer Energy Consumption	June
Solvent Vapor Recovery and VOC Emission Control	June
Plant Ensures Corrosion Resistance with Coal Tar Epoxy	July
Special Report: Update on Underground Tanks	Aug.
Nominations for 1986 PE 5-Star Awards	Aug.
Double-wall Tanks Assure Integrity	Aug.
Be Careful When You Specify An Underground Tank	Aug.
Chemical Storage Tank Safe with Polymer Lining	Sep.
Update on Wastewater Treatment	Sep.
Computerizing Sludge Dryers	Sep.
1987 Environmental Control Telephone Directory	Oct.
Designing for Underground Tanks	Nov.
Pond Liners Weather the Elements at Gasification Plant	Nov.
Winners of the PE 5-Star Awards	Dec.
The Search for Reliable Underground Storage	Dec.

COMPUTERS & DATA SYSTEMS

1986 Environmental Software Review	Jan.
Why Computers for Wastewater Operations?	Jan.
Special Report: Underground Storage Tank Control	Feb.
Getting Control of Industrial Wastewater Treatment	Feb.
Special Preview of HazPro'86	Mar.
Borehole TV Eyes Pollution	May
Wastewater System Problems? Treat Cause, Not Symptoms	May

1986 EDITORIAL INDEX

AIR POLLUTION CONTROL

TITLE	MONTH
Work Booths Control Graphite Dust	Jan.
1986 Environmental Software Review	Jan.
Facility Processes and Landfills Power Plant Ash	Jan.
Why Computers for Wastewater Operations?	Jan.
Hydraulic Rake Handles Smelly Sludge	Jan.
Metal Coating Plant Uses Fume Incineration to Reduce Costs	Feb.
The Liabilities of Hospital Waste Incineration	Feb.
Air Purification R&D	Mar.
1986 Consultants/Services Telephone Directory	May
Exhaust Control System Reduces Dryer Energy Consumption	June
The PM 10 Chart	June
Solvent Vapor Recovery and VOC Emission Control	June
Tri-Mer Brings Whirl Wet to the Rescue	July
Hazardous Waste Incineration: Emissions and Their Control	July
Nominations for 1986 PE 5-Star Awards	Aug.
Groundwater Contamination Reduced with Air Strippers	Aug.
Solvent Recovery Saves $100,000/Yr	Sep.
Solvent Emissions Destroyed	Sep.
Gas Scrubbing by Bio-washers and Bio-filters	Sep.
Computerizing Sludge Dryers	Sep.
1987 Environmental Control Telephone Directory	Oct.
Coal Vs Refuse for Power Plant Combustion	Nov.
The Changing Pollution Control Industry	Dec.
Special Report: Hazardous Materials and Sludge Incineration	Dec.

CHEMICAL TREATMENT

Filter Retrofit Puts Tertiary Plant Back In Operation	Jan.
Wastewater Pure Enough to Drink	Jan.
Pump Station Modifications	Jan.
1986 Environmental Software Review	Jan.
Facility Processes and Landfills Power Plant Ash	Jan.
Why Computers for Wastewater Operations?	Jan.
Designing an Evaporation Spray Pond for Pollutants	Jan.
Hydraulic Rake Handles Smelly Sludge	Jan.
Filtration System Reduces Chemical Usage/Waste Disposal	Feb.
Treatment Process Minimizes Space, Energy & Maintenance Costs	Feb.
World's Largest Air-Inflated Structure Over Waste Site	Feb.
Planning Makes Leachate Treatment Possible	Feb.
Designing a Groundwater Treatment System	Mar.
Enzymatic and Microbial Degradation of Toxic Materials	Mar.
Fabricated Filter Removes Iron From Aqueous Solutions	Apr.
Special Report: Wastewater Package Treatment Systems	Apr.
Sizing a Chlorine Ejector	Apr.
Anaerobic Treatment Proves Cost Cutter	Apr.
Using Biotechnology to Treat Metalworking Wastewater	Apr.
Fuel Oil Spill Clean Up At Construction Site	May
Wastewater System Problems? Treat Cause, Not Symptoms	May
1986 Consultants/Services Telephone Directory	May
Diaphragm Pumps Maintain Accurate pH Readings	June
Biotechnology Proves Good Examples	June
Cleanup and Closure of a PCB Contaminated Pond	July
Powdered Carbon Effectively Treats Toxic Leachate	July
Nominations for 1986 PE 5-Star Awards	Aug.
Methane Gas Is Converted into Electrical Power	Sep.
Update on Wastewater Treatment	Sep.
Cost Reductions for Sludge Dewatering	Sep.
Gas Scrubbing by Bio-washers and Bio-filters	Sep.
MCD—A New Era in Wastewater Treatment	Oct.
Treat and Solidify Sludge By Using Naturite	Oct.
Cyanide Contaminated Floor Cleaned By Moose	Oct.
1987 Environmental Control Telephone Directory	Oct.
Special Report: Treatment of Hazardous Wastes	Nov.
The First Steps in Determining Your Plant's Liability	Nov.
Environmentally Safe Closed-Loop Wash System	Nov.
The Changing Pollution Control Industry	Dec.

COATINGS & CONSTRUCTION MATLS

Work Booths Control Graphite Dust	Jan.
Filter Retrofit Puts Tertiary Plant Back In Operation	Jan.
Wastewater Pure Enough to Drink	Jan.
Pump Station Modifications	Jan.
1986 Environmental Software Review	Jan.
Facility Processes and Landfills Power Plant Ash	Jan.
Why Computers for Wastewater Operations?	Jan.
Designing an Evaporation Spray Pond for Pollutants	Jan.
Hydraulic Rake Handles Smelly Sludge	Jan.
Filtration System Reduces Chemical Usage/Waste Disposal	Feb.
Metal Coating Plant Uses Fume Incineration to Reduce Costs	Feb.
World's Largest Air-Inflated Structure Over Waste Site	Feb.
Special Report: Underground Storage Tank Control	Feb.
Does Methanol Melt FRP Underground Tanks?	Mar.
Protecting Against the Invisible Contaminant: Noise	Mar.
Fabricated Filter Removes Iron From Aqueous Solutions	Apr.
Integrated System Enclosure	Apr.
Special Report: Wastewater Package Treatment Systems	Apr.
Conveying in 3D	Apr.
Borehole TV Eyes Pollution	May
Forest-to-Flames Materials Handling System	May
Exhaust Control System Reduces Dryer Energy Consumption	June
Solvent Vapor Recovery and VOC Emission Control	June
Plant Ensures Corrosion Resistance with Coal Tar Epoxy	July
Special Report: Update on Underground Tanks	Aug.
Nominations for 1986 PE 5-Star Awards	Aug.
Double-wall Tanks Assure Integrity	Aug.
Be Careful When You Specify An Underground Tank	Aug.
Chemical Storage Tank Safe with Polymer Lining	Sep.
Update on Wastewater Treatment	Sep.
Computerizing Sludge Dryers	Sep.
1987 Environmental Control Telephone Directory	Oct.
Designing for Underground Tanks	Nov.
Pond Liners Weather the Elements at Gasification Plant	Nov.
Winners of the PE 5-Star Awards	Dec.
The Search for Reliable Underground Storage	Dec.

COMPUTERS & DATA SYSTEMS

1986 Environmental Software Review	Jan.
Why Computers for Wastewater Operations?	Jan.
Special Report: Underground Storage Tank Control	Feb.
Getting Control of Industrial Wastewater Treatment	Feb.
Special Preview of HazPro'86	Mar.
Borehole TV Eyes Pollution	May
Wastewater System Problems? Treat Cause, Not Symptoms	May

Biotechnology Proves Good Examples ..... June
Nominations for 1986 PE 5-Star Awards ..... Aug.
Innovative Leak Detection & Recovery ..... Aug.
Solvent Emissions Destroyed ..... Sep.
Update on Wastewater Treatment ..... Sep.
Cost Reductions for Sludge Dewatering ..... Sep.
Computerizing Sludge Dryers ..... Sep.
Determining Non-Point Pollutant Loads—A Case Study ..... Sep.
MCD—A New Era in Wastewater Treatment ..... Oct.
1987 Environmental Control Telephone Directory ..... Oct.
Designing for Underground Tanks ..... Nov.
The First Steps in Determining Your Plant's Liability ..... Nov.
Winners of the PE 5-Star Awards ..... Dec.
The Changing Pollution Control Industry ..... Dec.

ENERGY CONSERVATION

Work Booths Control Graphite Dust ..... Jan.
1986 Environmental Software Review ..... Jan.
Facility Processes and Landfills Power Plant Ash ..... Jan.
Why Computers for Wastewater Operations? ..... Jan.
Hydraulic Rake Handles Smelly Sludge ..... Jan.
Treatment Process Minimizes Space, Energy & Maintenance Costs ..... Feb.
Metal Coating Plant Uses Fume Incineration to Reduce Costs ..... Feb.
Protecting Against the Invisible Contaminant: Noise ..... Mar.
Air Purification R&D ..... Mar.
Conveying in 3D ..... Apr.
Change in Aerators Changes Everything ..... May
1986 Consultants/Services Telephone Directory ..... May
Exhaust Control System Reduces Dryer Energy Consumption ..... June
Solvent Vapor Recovery and VOC Emission Control ..... June
Re-refining Used Lubricating Oil ..... June
Biotechnology Proves Good Examples ..... June
Nominations for 1986 PE 5-Star Awards ..... Aug.
Solvent Recovery Saves $100,000/Yr ..... Sep.
Methane Gas Is Converted into Electrical Power ..... Sep.
Computerizing Sludge Dryers ..... Sep.
MCD—A New Era in Wastewater Treatment ..... Oct.
Around and Around for Better Wastewater Treatment ..... Oct.
1987 Environmental Control Telephone Directory ..... Oct.
Coal Vs Refuse for Power Plant Combustion ..... Nov.
The Changing Pollution Control Industry ..... Dec.
Special Report: Hazardous Materials and Sludge Incineration ..... Dec.

FANS & BLOWERS

Work Booths Control Graphite Dust ..... Jan.
1986 Environmental Software Review ..... Jan.
Facility Processes and Landfills Power Plant Ash ..... Jan.
Designing an Evaporation Spray Pond for Pollutants ..... Jan.
Filtration System Reduces Chemical Usage/Waste Disposal ..... Feb.
Metal Coating Plant Uses Fume Incineration to Reduce Costs ..... Feb.
World's Largest Air-Inflated Structure Over Waste Site ..... Feb.
The Liabilities of Hospital Waste Incineration ..... Feb.
Protecting Against the Invisible Contaminant: Noise ..... Mar.
Air Purification R&D ..... Mar.
Exhaust Control System Reduces Dryer Energy Consumption ..... June
The PM 10 Chart ..... June
Solvent Vapor Recovery and VOC Emission Control ..... June
Tri-Mer Brings Whirl Wet to the Rescue ..... July
Hazardous Waste Incineration: Emissions and Their Control ..... July
Groundwater Contamination Reduced with Air Strippers ..... Aug.
Solvent Recovery Saves $100,000/Yr ..... Sep.
Methane Gas Is Converted into Electrical Power ..... Sep.
Gas Scrubbing by Bio-washers and Bio-filters ..... Sep.
Computerizing Sludge Dryers ..... Sep.
1987 Environmental Control Telephone Directory ..... Oct.
Coal Vs Refuse for Power Plant Combustion ..... Nov.
Special Report: Hazardous Materials and Sludge Incineration ..... Dec.

FILTRATION

Work Booths Control Graphite Dust ..... Jan.
Filter Retrofit Puts Tertiary Plant Back In Operation ..... Jan.
Wastewater Pure Enough to Drink ..... Jan.
Pump Station Modifications ..... Jan.
1986 Environmental Software Review ..... Jan.
Facility Processes and Landfills Power Plant Ash ..... Jan.
Why Computers for Wastewater Operations? ..... Jan.
Designing an Evaporation Spray Pond for Pollutants ..... Jan.
Hydraulic Rake Handles Smelly Sludge ..... Jan.
Filtration System Reduces Chemical Usage/Waste Disposal ..... Feb.
Treatment Process Minimizes Space, Energy & Maintenance Costs ..... Feb.
Planning Makes Leachate Treatment Possible ..... Feb.
Getting Control of Industrial Wastewater Treatment ..... Feb.
The Liabilities of Hospital Waste Incineration ..... Feb.
Designing a Groundwater Treatment System ..... Mar.
Enzymatic and Microbial Degradation of Toxic Materials ..... Mar.
Choosing the Way to Dispose of Hazardous Wastes ..... Mar.
Special Preview of HazPro'86 ..... Mar.
Air Purification R&D ..... Mar.
Fabricated Filter Removes Iron From Aqueous Solutions ..... Apr.
Special Report: Wastewater Package Treatment Systems ..... Apr.
Sizing a Chlorine Ejector ..... Apr.
Anaerobic Treatment Proves Cost Cutter ..... Apr.
Using Biotechnology to Treat Metalworking Wastewater ..... Apr.
Wastewater System Problems? Treat Cause, Not Symptoms ..... May
Forest-to-Flames Materials Handling System ..... May
Change in Aerators Changes Everything ..... May
The PM 10 Chart ..... June
Solvent Vapor Recovery and VOC Emission Control ..... June
Re-refining Used Lubricating Oil ..... June
Biotechnology Proves Good Examples ..... June
Plant Ensures Corrosion Resistance with Coal Tar Epoxy ..... July
Weighing the Factors About Treating Hazardous Wastes ..... July
Cleanup and Closure of a PCB Contaminated Pond ..... July
Powdered Carbon Effectively Treats Toxic Leachate ..... July
Nominations for 1986 PE 5-Star Awards ..... Aug.
Groundwater Contamination Reduced with Air Strippers ..... Aug.
Solvent Recovery Saves $100,000/Yr ..... Sep.
Methane Gas Is Converted into Electrical Power ..... Sep.
Update on Wastewater Treatment ..... Sep.
Cost Reductions for Sludge Dewatering ..... Sep.
MCD—A New Era in Wastewater Treatment ..... Oct.
Around and Around for Better Wastewater Treatment ..... Oct.
1987 Environmental Control Telephone Directory ..... Oct.
Coal Vs Refuse for Power Plant Combustion ..... Nov.
Special Report: Treatment of Hazardous Wastes ..... Nov.

Winners of the PE 5-Star Awards ..... Dec.
The Changing Pollution Control Industry ..... Dec.
Special Report:
Hazardous Materials and Sludge Incineration ..... Dec.

HAZARDOUS & SOLID WASTES

Work Booths Control Graphite Dust ..... Jan.
Wastewater Pure Enough to Drink ..... Jan.
1986 Environmental Software Review ..... Jan.
Facility Processes and Landfills Power Plant Ash ..... Jan.
Why Computers for Wastewater Operations? ..... Jan.
Designing an Evaporation Spray Pond for Pollutants ..... Jan.
Filtration System Reduces Chemical Usage/Waste Disposal ... Feb.
World's Largest Air-Inflated Structure Over Waste Site ..... Feb.
Special Report:
Underground Storage Tank Control ..... Feb.
Triggering Liability by the Sale of Reclaimable Materials ..... Feb.
Planning Makes Leachate Treatment Possible ..... Feb.
PCB Contamination of the Scallop Capital ..... Feb.
Getting Control of Industrial Wastewater Treatment ..... Feb.
The Liabilities of Hospital Waste Incineration ..... Feb.
Does Methanol Melt FRP Underground Tanks? ..... Mar.
Designing a Groundwater Treatment System ..... Mar.
Enzymatic and Microbial Degradation of Toxic Materials ..... Mar.
Find Heating Value Using Chemical Oxygen Demand ..... Mar.
Fire in the Pit! ..... Mar.
Choosing the Way to Dispose of Hazardous Wastes ..... Mar.
Special Preview of HazPro'86 ..... Mar.
Air Purification R&D ..... Mar.
Fabricated Filter Removes Iron From Aqueous Solutions ..... Apr.
Special Report:
Wastewater Package Treatment Systems ..... Apr.
Sizing a Chlorine Ejector ..... Apr.
Anaerobic Treatment Proves Cost Cutter ..... Apr.
Using Biotechnology to Treat Metalworking Wastewater ..... Apr.
Fuel Oil Spill Cleanup Up At Construction Site ..... May
1986 Consultants/Services Telephone Directory ..... May
Exhaust Control System Reduces Dryer Energy Consumption. June
Solvent Vapor Recovery and VOC Emission Control ..... June
Effect of Landfill Gases on Soil and Vegetation ..... June
New Techniques for Moving Hazardous Sludge ..... July
Community Awareness and Emergency Response ..... July
Weighing the Factors About Treating Hazardous Wastes ..... July
Cleanup and Closure of a PCB Contaminated Pond ..... July
Powdered Carbon Effectively Treats Toxic Leachate ..... July
Hazardous Waste Incineration:
Emissions and Their Control ..... July
Special Report:
Update on Underground Tanks ..... Aug.
Nominations for 1986 PE 5-Star Awards ..... Aug.
Double-wall Tanks Assure Integrity ..... Aug.
Innovative Leak Detection & Recovery ..... Aug.
Groundwater Contamination Reduced with Air Strippers .... Aug.
Be Careful When You Specify An Underground Tank ..... Aug.
Solvent Recovery Saves $100,000/Yr ..... Sep.
Chemical Storage Tank Safe with Polymer Lining ..... Sep.
Methane Gas Is Converted into Electrical Power ..... Sep.
Cost Reductions for Sludge Dewatering ..... Sep.
Treat and Solidify Sludge By Using Naturite ..... Oct.
1987 Environmental Control Telephone Directory ..... Oct.
Designing for Underground Tanks ..... Nov.
Special Report:
Treatment of Hazardous Wastes ..... Nov.
The First Steps in Determining Your Plant's Liability ..... Nov.
Pond Liners Weather the Elements at Gasification Plant ..... Nov.
Winners of the PE 5-Star Awards ..... Dec.
The Changing Pollution Control Industry ..... Dec.
The Search for Reliable Underground Storage ..... Dec.
Special Report:
Hazardous Materials and Sludge Incineration ..... Dec.

INCINERATION

1986 Environmental Software Review ..... Jan.
Metal Coating Plant Uses Fume Incineration to Reduce Costs . Feb.
The Liabilities of Hospital Waste Incineration ..... Feb.
Find Heating Value Using Chemical Oxygen Demand ..... Mar.
Fire in the Pit! ..... Mar.
Choosing the Way to Dispose of Hazardous Wastes ..... Mar.
Special Preview of HazPro'86 ..... Mar.
Forest-to-Flames Materials Handling System ..... May
1986 Consultants/Services Telephone Directory ..... May
Exhaust Control System Reduces Dryer Energy Consumption. June
The PM 10 Chart ..... June
Weighing the Factors About Treating Hazardous Wastes ..... July
Hazardous Waste Incineration: Emissions and Their Control .. July
Nominations for 1986 PE 5-Star Awards ..... Aug.
Technology Solves Sewage Disposal Dilemma ..... Sep.
Computerizing Sludge Dryers ..... Sep.
1987 Environmental Control Telephone Directory ..... Oct.
Special Report:
Treatment of Hazardous Wastes ..... Nov.
The Changing Pollution Control Industry ..... Dec.
Special Report:
Hazardous Materials and Sludge Incineration ..... Dec.

INSTRUMENTATION

Work Booths Control Graphite Dust ..... Jan.
Filter Retrofit Puts Tertiary Plant Back In Operation ..... Jan.
Wastewater Pure Enough to Drink ..... Jan.
1986 Environmental Software Review ..... Jan.
Facility Processes and Landfills Power Plant Ash ..... Jan.
Why Computers for Wastewater Operations? ..... Jan.
Designing an Evaporation Spray Pond for Pollutants ..... Jan.
Hydraulic Rake Handles Smelly Sludge ..... Jan.
Treatment Process Minimizes Space, Energy & Maintenance Costs ..... Feb.
Special Report:
Underground Storage Tank Control ..... Feb.
Planning Makes Leachate Treatment Possible ..... Feb.
Getting Control of Industrial Wastewater Treatment ..... Feb.
Designing a Groundwater Treatment System ..... Mar.
Special Preview of HazPro'86 ..... Mar.
Special Report:
Wastewater Package Treatment Systems ..... Apr.
Anaerobic Treatment Proves Cost Cutter ..... Apr.
Borehole TV Eyes Pollution ..... May
1986 Consultants/Services Telephone Directory ..... May
Diaphragm Pumps Maintain Accurate pH Readings ..... June
Weighing the Factors About Treating Hazardous Wastes ..... July
Cleanup and Closure of a PCB Contaminated Pond ..... July
Hazardous Waste Incineration:
Emissions and Their Control ..... July
Special Report:
Update on Underground Tanks ..... Aug.
Nominations for 1986 PE 5-Star Awards ..... Aug.
Innovative Leak Detection & Recovery ..... Aug.
Groundwater Contamination Reduced with Air Strippers .... Aug.
Technology Solves Sewage Disposal Dilemma ..... Sep.
Solvent Emissions Destroyed ..... Sep.
Update on Wastewater Treatment ..... Sep.
Computerizing Sludge Dryers ..... Sep.
MCD—A New Era in Wastewater Treatment ..... Oct.
1987 Environmental Control Telephone Directory ..... Oct.
Designing for Underground Tanks ..... Nov.
Coal Vs Refuse for Power Plant Combustion ..... Nov.
Special Report:
Treatment of Hazardous Wastes ..... Nov.
The First Steps in Determining Your Plant's Liability ..... Nov.
Environmentally Safe Closed-Loop Wash System ..... Nov.
Pond Liners Weather the Elements at Gasification Plant ..... Nov.
Winners of the PE 5-Star Awards ..... Dec.

The Changing Pollution Control Industry ..... Dec.
The Search for Reliable Underground Storage ..... Dec.
Special Report:
Hazardous Materials and Sludge Incineration ..... Dec.

LANDFILLING

1986 Environmental Software Review ..... Jan.
Facility Processes and Landfills Power Plant Ash ..... Jan.
World's Largest Air-Inflated Structure Over Waste Site ..... Feb.
Planning Makes Leachate Treatment Possible ..... Feb.
PCB Contamination of the Scallop Capital ..... Feb.
Fire in the Pit! ..... Mar.
Choosing the Way to Dispose of Hazardous Wastes ..... Mar.
Forest-to-Flames Materials Handling System ..... May
1986 Consultants/Services Telephone Directory ..... May
Effect of Landfill Gases on Soil and Vegetation ..... June
New Techniques for Moving Hazardous Sludge ..... July
Weighing the Factors About Treating Hazardous Wastes ..... July
Technology Solves Sewage Disposal Dilemma ..... Sep.
Determining Non-Point Pollutant Loads—A Case Study ..... Sep.
Treat and Solidify Sludge By Using Naturite ..... Oct.
1987 Environmental Control Telephone Directory ..... Oct.
Special Report:
Treatment of Hazardous Wastes ..... Nov.
The Changing Pollution Control Industry ..... Dec.
Special Report:
Hazardous Materials and Sludge Incineration ..... Dec.

LEGISLATION

1986 Environmental Software Review ..... Jan.
Facility Processes and Landfills Power Plant Ash ..... Jan.
Why Computers for Wastewater Operations? ..... Jan.
World's Largest Air-Inflated Structure Over Waste Site ..... Feb.
Special Report:
Underground Storage Tank Control ..... Feb.
Triggering Liability by the Sale of Reclaimable Materials ..... Feb.
Planning Makes Leachate Treatment Possible ..... Feb.
The Liabilities of Hospital Waste Incineration ..... Feb.
Choosing the Way to Dispose of Hazardous Wastes ..... Mar.
Special Preview of HazPro'86 ..... Mar.
1986 Consultants/Services Telephone Directory ..... May
Solvent Vapor Recovery and VOC Emission Control ..... June
Toxic Exposure Regulations: A Plea for Adequate Information July
Community Awareness and Emergency Response ..... July
Weighing the Factors About Treating Hazardous Wastes ..... July
Cleanup and Closure of a PCB Contaminated Pond ..... July
Determining Non-Point Pollutant loads—A Case Study ..... Sep.
The First Steps in Determining Your Plant's Liability ..... Nov.
The Changing Pollution Control Industry ..... Dec.

MAINTENANCE

Work Booths Control Graphite Dust ..... Jan.
Filter Retrofit Puts Tertiary Plant Back In Operation ..... Jan.
Pump Station Modifications ..... Jan.
1986 Environmental Software Review ..... Jan.
Facility Processes and Landfills Power Plant Ash ..... Jan.
Why Computers for Wastewater Operations? ..... Jan.
Hydraulic Rake Handles Smelly Sludge ..... Jan.
Filtration System Reduces Chemical Usage/Waste Disposal ... Feb.
Treatment Process Minimizes Space,
Energy & Maintenance Costs ..... Feb.
Special Report:
Underground Storage Tank Control ..... Feb.
The Liabilities of Hospital Waste Incineration ..... Feb.
Does Methanol Melt FRP Underground Tanks? ..... Mar.
Conveying in 3D ..... Apr.
Borehole TV Eyes Pollution ..... May
Plant Ensures Corrosion Resistance with Coal Tar Epoxy ..... July
Sewer Cleaning with Record Speed ..... July
Special Report:
Update on Underground Tanks ..... Aug.
Be Careful When You Specify An Underground Tank ..... Aug.
Update on Wastewater Treatment ..... Sep.
MCD—A New Era in Wastewater Treatment ..... Oct.
Cyanide Contaminated Floor Cleaned By Moose ..... Oct.
1987 Environmental Control Telephone Directory ..... Oct.
Designing for Underground Tanks ..... Nov.
Coal Vs Refuse for Power Plant Combustion ..... Nov.
The First Steps in Determining Your Plant's Liability ..... Nov.
The Search for Reliable Underground Storage ..... Dec.
Special Report:
Hazardous Materials and Sludge Incineration ..... Dec.

MOTORS

Filter Retrofit Puts Tertiary Plant Back In Operation ..... Jan.
Pump Station Modifications ..... Jan.
Facility Processes and Landfills Power Plant Ash ..... Jan.
Hydraulic Rake Handles Smelly Sludge ..... Jan.
Metal Coating Plant Uses Fume Incineration to Reduce Costs . Feb.
Getting Control of Industrial Wastewater Treatment ..... Feb.
Integrated System Enclosure ..... Apr.
Variable Speed Drives Keep Up Flow ..... Apr.
Conveying in 3D ..... Apr.
Forest-to-Flames Materials Handling System ..... May
Change in Aerators Changes Everything ..... May
Diaphragm Pumps Maintain Accurate pH Readings ..... June
Tri-Mer Brings Whirl Wet to the Rescue ..... July
Powdered Carbon Effectively Treats Toxic Leachate ..... July
Computerizing Sludge Dryers ..... Sep.
MCD—A New Era in Wastewater Treatment ..... Oct.
Around and Around for Better Wastewater Treatment ..... Oct.
1987 Environmental Control Telephone Directory ..... Oct.

OSHA

Work Booths Control Graphite Dust ..... Jan.
1986 Environmental Software Review ..... Jan.
Facility Processes and Landfills Power Plant Ash ..... Jan.
Why Computers for Wastewater Operations? ..... Jan.
Filtration System Reduces Chemical Usage/Waste Disposal ... Feb.
Metal Coating Plant Uses Fume Incineration to Reduce Costs . Feb.
The Liabilities of Hospital Waste Incineration ..... Feb.
Protecting Against the Invisible Contaminant:
Noise ..... Mar.
Fire in the Pit! ..... Mar.
Integrated System Enclosure ..... Apr.
The PM 10 Chart ..... June

ODOR CONTROL

1986 Environmental Software Review ..... Jan.
Why Computers for Wastewater Operations? ..... Jan.
Designing an Evaporation Spray Pond for Pollutants ..... Jan.
Hydraulic Rake Handles Smelly Sludge ..... Jan.
Filtration System Reduces Chemical Usage/Waste Disposal ... Feb.
Metal Coating Plant Uses Fume Incineration to Reduce Costs . Feb.
The Liabilities of Hospital Waste Incineration ..... Feb.
Change in Aerators Changes Everything ..... May
Solvent Vapor Recovery and VOC Emission Control ..... June
Effect of Landfill Gases on Soil and Vegetation ..... June
Biotechnology Proves Good Examples ..... June
Hazardous Waste Incineration:
Emissions and Their Control ..... July

Solvent Recovery Saves $100,000/Yr ..... Sep.
Update on Wastewater Treatment ..... Sep.
Cost Reductions for Sludge Dewatering ..... Sep.
Gas Scrubbing by Bio-washers and Bio-filters ..... Sep.
Computerizing Sludge Dryers ..... Sep.
1987 Environmental Control Telephone Directory ..... Oct.

PERSPECTIVE

Chemical Screening Tests in Body Fluids ..... Feb.
Toxic Exposure Regulations:
A Plea for Adequate Information ..... July

PLATING WASTES

Wastewater Pure Enough to Drink ..... Jan.
1986 Environmental Software Review ..... Jan.
Why Computers for Wastewater Operations? ..... Jan.
Designing an Evaporation Spray Pond for Pollutants ..... Jan.
Getting Control of Industrial Wastewater Treatment ..... Feb.
Fabricated Filter Removes Iron From Aqueous Solutions ..... Apr.
Special Report:
Wastewater Package Treatment Systems ..... Apr.
Using Biotechnology to Treat Metalworking Wastewater ..... Apr.
Wastewater System Problems? Treat Cause, Not Symptoms ... May
Weighing the Factors About Treating Hazardous Wastes ..... July
Update on Wastewater Treatment ..... Sep.
1987 Environmental Control Telephone Directory ..... Oct.
Special Report:
Treatment of Hazardous Wastes ..... Nov.

PUMPS

Filter Retrofit Puts Tertiary Plant Back In Operation ..... Jan.
Wastewater Pure Enough to Drink ..... Jan.
Pump Station Modifications ..... Jan.
1986 Environmental Software Review ..... Jan.
Facility Processes and Landfills Power Plant Ash ..... Jan.
Why Computers for Wastewater Operations? ..... Jan.
Designing an Evaporation Spray Pond for Pollutants ..... Jan.
Hydraulic Rake Handles Smelly Sludge ..... Jan.
Filtration System Reduces Chemical Usage/Waste Disposal ... Feb.
Treatment Process Minimizes Space, Energy & Maintenance Costs ..... Feb.
Planning Makes Leachate Treatment Possible ..... Feb.
Getting Control of Industrial Wastewater Treatment ..... Feb.
Designing a Groundwater Treatment System ..... Mar.
Enzymatic and Microbial Degradation of Toxic Materials ..... Mar.
Fabricated Filter Removes Iron From Aqueous Solutions ..... Apr.
Variable Speed Drives Keep Up Flow ..... Apr.
Special Report:
Wastewater Package Treatment Systems ..... Apr.
Sizing a Chlorine Ejector ..... Apr.
Anaerobic Treatment Proves Costs Cutter ..... Apr.
Using Biotechnology to Treat Metalworking Wastewater ..... Apr.
Wastewater System Problems? Treat Cause, Not Symptoms ... May
Change in Aerators Changes Everything ..... May
Diaphragm Pumps Maintain Accurate pH Readings ..... June
Biotechnology Proves Good Examples ..... June
Plant Ensures Corrosion Resistance with Coal Tar Epoxy ..... July
New Techniques for Moving Hazardous Sludge ..... July
Cleanup and Closure of a PCB Contaminated Pond ..... July
Powdered Carbon Effectively Treats Toxic Leachate ..... July
Special Report:
Update on Underground Tanks ..... Aug.
Groundwater Contamination Reduced with Air Strippers .... Aug.
Methane Gas Is Converted into Electrical Power ..... Sep.
Update on Wastewater Treatment ..... Sep.
Cost Reductions for Sludge Dewatering ..... Sep.
MCD—A New Era in Wastewater Treatment ..... Oct.
Around and Around for Better Wastewater Treatment ..... Oct.
1987 Environmental Control Telephone Directory ..... Oct.
Special Report:
Treatment of Hazardous Wastes ..... Nov.

SCRUBBERS

1986 Environmental Software Review ..... Jan.
Filtration System Reduces Chemical Usage/Waste Disposal ... Feb.
The Liabilities of Hospital Waste Incineration ..... Feb.
The PM 10 Chart ..... June
Solvent Vapor Recovery and VOC Emission Control ..... June
Tri-Mer Brings Whirl Wet to the Rescue ..... July
Hazardous Waste Incineration:
Emissions and Their Control ..... July
Gas Scrubbing by Bio-washers and Bio-filters ..... Sep.
1987 Environmental Control Telephone Directory ..... Oct.
Coal Vs Refuse for Power Plant Combustion ..... Nov.
The Changing Pollution Control Industry ..... Dec.
Special Report:
Hazardous Materials and Sludge Incineration ..... Dec.

SPRAY SYSTEMS

Why Computers for Wastewater Operations? ..... Jan.
Designing an Evaporation Spray Pond for Pollutants ..... Jan.
Filtration System Reduces Chemical Usage/Waste Disposal ... Feb.
Air Purification R&D ..... Mar.
Change in Aerators Changes Everything ..... May
The PM 10 Chart ..... June
Plant Ensures Corrosion Resistance with Coal Tar Epoxy ..... July
Groundwater Contamination Reduced with Air Strippers .... Aug.
1987 Environmental Control Telephone Directory ..... Oct.
Special Report:
Treatment of Hazardous Wastes ..... Nov.
Environmentally Safe Closed-Loop Wash System ..... Nov.
Special Report:
Hazardous Materials and Sludge Incineration ..... Dec.

VALVES, PIPE, FITTINGS

Filter Retrofit Puts Tertiary Plant Back In Operation ..... Jan.
Wastewater Pure Enough to Drink ..... Jan.
Pump Station Modifications ..... Jan.
1986 Environmental Software Review ..... Jan.
Why Computers for Wastewater Operations? ..... Jan.
Designing an Evaporation Spray Pond for Pollutants ..... Jan.
Hydraulic Rake Handles Smelly Sludge ..... Jan.
Treatment Process Minimizes Space, Energy & Maintenance Costs ..... Feb.
Special Report:
Underground Storage Tank Control ..... Feb.
Planning Makes Leachate Treatment Possible ..... Feb.
Getting Control of Industrial Wastewater Treatment ..... Feb.
Does Methanol Melt FRP Underground Tanks? ..... Mar.
Designing a Groundwater Treatment System ..... Mar.
Enzymatic and Microbial Degradation of Toxic Materials ..... Mar.
Fabricated Filter Removes Iron From Aqueous Solutions ..... Apr.
Variable Speed Drives Keep Up Flow ..... Apr.
Special Report:
Wastewater Package Treatment Systems ..... Apr.
Sizing a Chlorine Ejector ..... Apr.
Anaerobic Treatment Proves Cost Cutter ..... Apr.
Using Biotechnology to Treat Metalworking Wastewater ..... Apr.
Borehole TV Eyes Pollution ..... May
Wastewater System Problems? Treat Cause, Not Symptoms ... May
Change in Aerators Changes Everything ..... May
Diaphragm Pumps Maintain Accurate pH Readings ..... June
Biotechnology Proves Good Examples ..... June
Plant Ensures Corrosion Resistance with Coal Tar Epoxy ..... July
Sewer Cleaning with Record Speed ..... July
Cleanup and Closure of a PCB Contaminated Pond ..... July
Powdered Carbon Effectively Treats Toxic Leachate ..... July

Special Report:
Update on Underground Tanks ..... Aug.
Double-wall Tanks Assure Integrity ..... Aug.
Innovative Leak Detection & Recovery ..... Aug.
Be Careful When You Specify An Underground Tank ..... Aug.
Technology Solves Sewage Disposal Dilemma ..... Sep.
Chemical Storage Tank Safe with Polymer Lining ..... Sep.
Update on Wastewater Treatment ..... Sep.
Cost Reductions for Sludge Dewatering ..... Sep.
MCD—A New Era in Wastewater Treatment ..... Oct.
Around and Around for Better Wastewater Treatment ..... Oct.
1987 Environmental Control Telephone Directory ..... Oct.
Designing for Underground Tanks ..... Nov.
Special Report:
Treatment of Hazardous Wastes ..... Nov.
Environmentally Safe Closed-Loop Wash System ..... Nov.
Pond Liners Weather the Elements at Gasification Plant ..... Nov.
The Search for Reliable Underground Storage ..... Dec.

WASTE COLLECTION & HANDLING

Filter Retrofit Puts Tertiary Plant Back In Operation ..... Jan.
Wastewater Pure Enough to Drink ..... Jan.
Pump Station Modifications ..... Jan.
1986 Environmental Software Review ..... Jan.
Facility Processes and Landfills Power Plant Ash ..... Jan.
Why Computers for Wastewater Operations? ..... Jan.
Designing an Evaporation Spray Pond for Pollutants ..... Jan.
Hydraulic Rake Handles Smelly Sludge ..... Jan.
Filtration System Reduces Chemical Usage/Waste Disposal ... Feb.
Treatment Process Minimizes Space, Energy & Maintenance Costs ..... Feb.
World's Largest Air-Inflated Structure Over Waste Site ..... Feb.
Special Report:
Underground Storage Tank Control ..... Feb.
Triggering Liability by the Sale of Reclaimable Materials ..... Feb.
Planning Makes Leachate Treatment Possible ..... Feb.
PCB Contamination of the Scallop Capital ..... Feb.
Getting Control of Industrial Wastewater Treatment ..... Feb.
Does Methanol Melt FRP Underground Tanks? ..... Mar.
Designing a Groundwater Treatment System ..... Mar.
Fire in the Pit! ..... Mar.
Choosing the Way to Dispose of Hazardous Wastes ..... Mar.
Fabricated Filter Removes Iron From Aqueous Solutions ..... Apr.
Variable Speed Drives Keep Up Flow ..... Apr.
Special Report:
Wastewater Package Treatment Systems ..... Apr.
Anaerobic Treatment Proves Cost Cutter ..... Apr.
Using Biotechnology to Treat Metalworking Wastewater ..... Apr.
Conveying in 3D ..... Apr.
Wastewater System Problems? Treat Cause, Not Symptoms ... May
Forest-to-Flames Materials Handling System ..... May
1986 Consultants/Services Telephone Directory ..... May
Re-refining Used Lubricating Oil ..... June
Biotechnology Proves Good Examples ..... June
Plant Ensures Corrosion Resistance with Coal Tar Epoxy ..... July
New Techniques for Moving Hazardous Sludge ..... July
Sewer Cleaning with Record Speed ..... July
Weighing the Factors About Treating Hazardous Wastes ..... July
Cleanup and Closure of a PCB Contaminated Pond ..... July
Powdered Carbon Effectively Treats Toxic Leachate ..... July
Special Report: Update on Underground Tanks ..... Aug.
Double-wall Tanks Assure Integrity ..... Aug.
Be Careful When You Specify An Underground Tank ..... Aug.
Technology Solves Sewage Disposal Dilemma ..... Sep.
Update on Wastewater Treatment ..... Sep.
Determining Non-Point Pollutant Loads—A Case Study ..... Sep.
MCD—A New Era in Wastewater Treatment ..... Oct.
1987 Environmental Control Telephone Directory ..... Oct.
Designing for Underground Tanks ..... Nov.
Special Report:
Treatment of Hazardous Wastes ..... Nov.
The First Steps in Determining Your Plant's Liability ..... Nov.
Pond Liners Weather the Elements at Gasification Plant ..... Nov.
The Search for Reliable Underground Storage ..... Dec.

WATER & WASTEWATER

Filter Retrofit Puts Tertiary Plant Back In Operation ..... Jan.
Wastewater Pure Enough to Drink ..... Jan.
Pump Station Modifications ..... Jan.
1986 Environmental Software Review ..... Jan.
Why Computers for Wastewater Operations? ..... Jan.
Designing an Evaporation Spray Pond for Pollutants ..... Jan.
Hydraulic Rake Handles Smelly Sludge ..... Jan.
Filtration System Reduces Chemical Usage/Waste Disposal ... Feb.
Treatment Process Minimizes Space, Energy & Maintenance Costs ..... Feb.
PCB Contamination of the Scallop Capital ..... Feb.
Getting Control of Industrial Wastewater Treatment ..... Feb.
Designing a Groundwater Treatment System ..... Mar.
Enzymatic and Microbial Degradation of Toxic Materials ..... Mar.
Find Heating Value Using Chemical Oxygen Demand ..... Mar.
Fabricated Filter Removes Iron From Aqueous Solutions ..... Apr.
Variable Speed Drives Keep Up Flow ..... Apr.
Special Report: Wastewater Package Treatment Systems ..... Apr.
Sizing a Chlorine Ejector ..... Apr.
Anaerobic Treatment Proves Costs Cutter ..... Apr.
Using Biotechnology to Treat Metalworking Wastewater ..... Apr.
Conveying in 3D ..... Apr.
Fuel Oil Spill Cleanup Up At Construction Site ..... May
Wastewater System Problems? Treat Cause, Not Symptoms ... May
Forest-to-Flames Materials Handling System ..... May
Change in Aerators Changes Everything ..... May
1986 Consultants/Services Telephone Directory ..... May
Diaphragm Pumps Maintain Accurate pH Readings ..... June
Re-refining Used Lubricating Oil ..... June
Biotechnology Proves Good Examples ..... June
Plant Ensures Corrosion Resistance with Coal Tar Epoxy ..... July
New Techniques for Moving Hazardous Sludge ..... July
Sewer Cleaning with Record Speed ..... July
Weighing the Factors About Treating Hazardous Wastes ..... July
Cleanup and Closure of a PCB Contaminated Pond ..... July
Powdered Carbon Effectively Treats Toxic Leachate ..... July
Nominations for 1986 PE 5-Star Awards ..... Aug.
Technology Solves Sewage Disposal Dilemma ..... Sep.
Methane Gas Is Converted into Electrical Power ..... Sep.
Update on Wastewater Treatment ..... Sep.
Cost Reductions for Sludge Dewatering ..... Sep.
Determining Non-Point Pollutant Loads—A Case Study ..... Sep.
MCD—A New Era in Wastewater Treatment ..... Oct.
Treat and Solidify Sludge By Using Naturite ..... Oct.
Around and Around for Better Wastewater Treatment ..... Oct.
1987 Environmental Control Telephone Directory ..... Oct.
Designing for Underground Tanks ..... Nov.
Special Report:
Treatment of Hazardous Wastes ..... Nov.
The First Steps in Determining Your Plant's Liability ..... Nov.
Environmentally Safe Closed-Loop Wash System ..... Nov.
Pond Liners Weather the Elements at Gasification Plant ..... Nov.
Winners of the PE 5-Star Awards ..... Dec.
The Changing Pollution Control Industry ..... Dec.

VIEWPOINT

Risky Business and Alien Forces ..... Jan.
Food for Thought ..... Feb.
Water, Water, Where? ..... Mar.
Fatherly Advice ..... Apr.
What's Your Sign? ..... May
About Time ..... June
Innovative and Alternative ..... July
0-0-0 ..... Aug.
Tigger's Revenge ..... Sep.
Something of Which You Can Be Proud ..... Oct.
Look Out for the Monsters ..... Nov.
Holes that Need Filling ..... Dec.